



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2022-23/68

13 January 2023

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Project at this Institute. The position is purely temporary, initially for a period of 01 Year, and same extendable but co-terminus with the duration of the project, on a contractual basis with consolidated pay. The requisite qualification, experience and other details are given below:

1.	Project No.	S/IHUBIITK/SKY/20210063
2.	Project Title	Development of Cognitive Cyber-Physical System(C2PS) Testbed
3.	Name of the Project Investigator	Dr. Sandeep Kumar Yadav
4.	Duration for initial appointment	06 Months or the date of project completion whichever is earlier.
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs. 31,000/-+HRA (As per institute norms)
8.	Minimum Qualification and Experience	<p><u>Eligibility:</u></p> <ul style="list-style-type: none"><li>• B.Tech. and /M.E. with specialization in Electronics and Communication Engineering/Electrical Engineering or equivalent with first class or equivalent selected through NET/GATE.</li><li>• Sound knowledge of fundamentals of Wireless Communication, Radar Signal Processing and Machine Learning.</li><li>• Proficiency in MATLAB/ C++ Python programming Knowledge.</li></ul> <p><u>Desirable Qualification:</u> Knowledge of Lab-VIEW and GNU Radio is desirable.</p>
09.	Brief description of Project	To develop an Open Source Software(OSS) C2PS (i.e. scalable and modular testbed) that can support multiple application such as spectrum sensing, dynamic spectrum sharing and waveform design for emerging communication standards. It also supports reinforcement learning/AI algorithms for efficient utilization of spectrum, and security and resilience in Cyber-Physical system.
10.	Maximum Age	35 Years

The candidates possessing the requisite qualification and experience should apply through the **ONLINE process** up to **15 April 2023**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto:recruitment_rnd@iitj.ac.in) (*Please mention the advertisement number in the subject line of the email*). *No need to send a hard copy.*

### General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 01 year and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	Higher initial pay may be given to exceptionally qualified/deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.
8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.

Officer In-charge  
Research & Development